

What is claimed is:

1. A heat exchanger comprising a plurality of substantially identical heat exchanger plates disposed in stacked relationship, with alternate plates in the stack of plates being in inverted orientation, and with a space between each plate and the plate adjacent thereof, alternate spaces each constituting a flow path for a first fluid and the remaining spaces constituting a further flow path for a second fluid, and each plate having a plurality of ribs each of anticlastic form, whereby the stack of plates includes adjacent plates in which the ribs thereof are in intersecting, interengaged relationship to ensure accurate alignment between said adjacent plates.
2. A heat exchanger according to claim 1, wherein the heat exchanger plates comprise a plurality of plate pairs, with the ribs of each plate of each plate pair projecting outwardly from said plate pair and being in interengaged relationship with the ribs of the adjacent plate of the adjacent plate pair.
3. A heat exchanger according to claim 1, wherein the heat exchanger plates comprise a plurality of plate pairs, with the ribs of each plate of each plate pair projecting inwardly of said plate pair and being in interengaged relationship with the ribs of the other plate of said plate pair.
4. A heat exchanger according to claim 2, wherein each plate has a further plurality of ribs each of anticlastic form, with the further ribs of each plate of each plate pair projecting inwardly of said plate pair and being in

interengaged relationship with the further ribs of the adjacent plate of the adjacent plate pair.

5. A method of forming a sleeve comprising the steps of:
providing a plate of bendable material having a length and a width, with the length of the plate extending between two opposed edges thereof, bending the plate transversely to form the plate into a sleeve, with said edges in spaced apart, confronting relationship,
the plate between said edges thereof being formed with an inwardly projecting, transversely extending deformation,
disposing the deformation between a pair of press members, with one of the press members being transversely inserted within the sleeve,
by relative movement together of the press members removing the deformation, with resultant pivoting of said edges into substantially abutting contact or overlapping relationship,
separating the press members, and
removing the sleeve.

6. A method according to claim 5, further comprising securing together the two opposed edges which are in substantially abutting contact or overlapping relationship.

7. A method according to claim 5, wherein said bending of the plate into a sleeve comprises the steps of:
bending the plate between a further pair of press members to form outer corners in the plate, and
bending the plate between a still further pair of press members to form inner corners in the plate, together with the inwardly projecting deformation between said inner corners in the plate,

the sleeve with said edges thereof in substantially abutting contact or overlapping relationship being substantially rectangular in shape.

8. A method according to claim 7, further comprising forming openings in the plate adjacent to the two opposed edges thereof prior to the bending of the plate to form the plate into the sleeve.

9. A sleeve formed by the method according to claim 5.

10. A heat exchanger according to claim 1, further comprising a heat exchanger casing within which the plurality of heat exchanger plates are disposed, a reinforcement plate being mounted within the casing between the heat exchanger plates and a side wall of the casing.

11. A heat exchanger according to claim 10, wherein the reinforcement plate facilitates maintaining securement of the substantially abutting contact or overlapping of edges of the casing side wall.

12. A heat exchanger according to claim 10, wherein the reinforcement plate mates with a bulbous portion presented by each heat exchanger plate substantially to prevent short circuiting of coolant from a coolant inlet in the heat exchanger casing to a coolant outlet in the heat exchanger casing.